

# Global Semiconductor Etching Special Gas Supply, Demand and Key Producers, 2023-2029

<https://marketpublishers.com/r/G406F042144BEN.html>

Date: December 2023

Pages: 170

Price: US\$ 4,480.00 (Single User License)

ID: G406F042144BEN

## Abstracts

The global Semiconductor Etching Special Gas market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

This report studies the global Semiconductor Etching Special Gas production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Semiconductor Etching Special Gas, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Semiconductor Etching Special Gas that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Semiconductor Etching Special Gas total production and demand, 2018-2029, (Tons)

Global Semiconductor Etching Special Gas total production value, 2018-2029, (USD Million)

Global Semiconductor Etching Special Gas production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Semiconductor Etching Special Gas consumption by region & country, CAGR, 2018-2029 & (Tons)

U.S. VS China: Semiconductor Etching Special Gas domestic production, consumption, key domestic manufacturers and share

Global Semiconductor Etching Special Gas production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (Tons)

Global Semiconductor Etching Special Gas production by Type, production, value, CAGR, 2018-2029, (USD Million) & (Tons)

Global Semiconductor Etching Special Gas production by Application production, value, CAGR, 2018-2029, (USD Million) & (Tons).

This reports profiles key players in the global Semiconductor Etching Special Gas market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Linde, SK Materials, Kanto Denka Kogyo, ADEKA, PERIC Special Gases, Merck (Versum Materials), Showa Denko, Nippon Sanso and Hyosung, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Semiconductor Etching Special Gas market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Semiconductor Etching Special Gas Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global Semiconductor Etching Special Gas Market, Segmentation by Type

Fluorine Containing Gas

Chlorine Containing Gas

Oxygen Containing Gas

Others

### Global Semiconductor Etching Special Gas Market, Segmentation by Application

Integrated Circuits

Display Panels

Solar

LED

### Companies Profiled:

Linde

SK Materials

Kanto Denka Kogyo

ADEKA

PERIC Special Gases

Merck (Versum Materials)

Showa Denko

Nippon Sanso

Hyosung

Air Liquide

Haohua Chemical

Zibo Feiyuan Chemical

Kemeite (Yoke Technology)

Solvay

Huate Gas

Yongjing Technology

Air Products

Jinhong Gas

Concorde Specialty Gases

Linggas

## Key Questions Answered

1. How big is the global Semiconductor Etching Special Gas market?
2. What is the demand of the global Semiconductor Etching Special Gas market?
3. What is the year over year growth of the global Semiconductor Etching Special Gas market?
4. What is the production and production value of the global Semiconductor Etching Special Gas market?
5. Who are the key producers in the global Semiconductor Etching Special Gas market?

## Contents

### 1 SUPPLY SUMMARY

- 1.1 Semiconductor Etching Special Gas Introduction
- 1.2 World Semiconductor Etching Special Gas Supply & Forecast
  - 1.2.1 World Semiconductor Etching Special Gas Production Value (2018 & 2022 & 2029)
  - 1.2.2 World Semiconductor Etching Special Gas Production (2018-2029)
  - 1.2.3 World Semiconductor Etching Special Gas Pricing Trends (2018-2029)
- 1.3 World Semiconductor Etching Special Gas Production by Region (Based on Production Site)
  - 1.3.1 World Semiconductor Etching Special Gas Production Value by Region (2018-2029)
  - 1.3.2 World Semiconductor Etching Special Gas Production by Region (2018-2029)
  - 1.3.3 World Semiconductor Etching Special Gas Average Price by Region (2018-2029)
  - 1.3.4 North America Semiconductor Etching Special Gas Production (2018-2029)
  - 1.3.5 Europe Semiconductor Etching Special Gas Production (2018-2029)
  - 1.3.6 China Semiconductor Etching Special Gas Production (2018-2029)
  - 1.3.7 Japan Semiconductor Etching Special Gas Production (2018-2029)
- 1.4 Market Drivers, Restraints and Trends
  - 1.4.1 Semiconductor Etching Special Gas Market Drivers
  - 1.4.2 Factors Affecting Demand
  - 1.4.3 Semiconductor Etching Special Gas Major Market Trends

### 2 DEMAND SUMMARY

- 2.1 World Semiconductor Etching Special Gas Demand (2018-2029)
- 2.2 World Semiconductor Etching Special Gas Consumption by Region
  - 2.2.1 World Semiconductor Etching Special Gas Consumption by Region (2018-2023)
  - 2.2.2 World Semiconductor Etching Special Gas Consumption Forecast by Region (2024-2029)
- 2.3 United States Semiconductor Etching Special Gas Consumption (2018-2029)
- 2.4 China Semiconductor Etching Special Gas Consumption (2018-2029)
- 2.5 Europe Semiconductor Etching Special Gas Consumption (2018-2029)
- 2.6 Japan Semiconductor Etching Special Gas Consumption (2018-2029)
- 2.7 South Korea Semiconductor Etching Special Gas Consumption (2018-2029)
- 2.8 ASEAN Semiconductor Etching Special Gas Consumption (2018-2029)
- 2.9 India Semiconductor Etching Special Gas Consumption (2018-2029)

### **3 WORLD SEMICONDUCTOR ETCHING SPECIAL GAS MANUFACTURERS COMPETITIVE ANALYSIS**

3.1 World Semiconductor Etching Special Gas Production Value by Manufacturer (2018-2023)

3.2 World Semiconductor Etching Special Gas Production by Manufacturer (2018-2023)

3.3 World Semiconductor Etching Special Gas Average Price by Manufacturer (2018-2023)

3.4 Semiconductor Etching Special Gas Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Semiconductor Etching Special Gas Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Semiconductor Etching Special Gas in 2022

3.5.3 Global Concentration Ratios (CR8) for Semiconductor Etching Special Gas in 2022

3.6 Semiconductor Etching Special Gas Market: Overall Company Footprint Analysis

3.6.1 Semiconductor Etching Special Gas Market: Region Footprint

3.6.2 Semiconductor Etching Special Gas Market: Company Product Type Footprint

3.6.3 Semiconductor Etching Special Gas Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

### **4 UNITED STATES VS CHINA VS REST OF THE WORLD**

4.1 United States VS China: Semiconductor Etching Special Gas Production Value Comparison

4.1.1 United States VS China: Semiconductor Etching Special Gas Production Value Comparison (2018 & 2022 & 2029)

4.1.2 United States VS China: Semiconductor Etching Special Gas Production Value Market Share Comparison (2018 & 2022 & 2029)

4.2 United States VS China: Semiconductor Etching Special Gas Production Comparison

4.2.1 United States VS China: Semiconductor Etching Special Gas Production Comparison (2018 & 2022 & 2029)

4.2.2 United States VS China: Semiconductor Etching Special Gas Production Market Share Comparison (2018 & 2022 & 2029)

4.3 United States VS China: Semiconductor Etching Special Gas Consumption Comparison

4.3.1 United States VS China: Semiconductor Etching Special Gas Consumption Comparison (2018 & 2022 & 2029)

4.3.2 United States VS China: Semiconductor Etching Special Gas Consumption Market Share Comparison (2018 & 2022 & 2029)

4.4 United States Based Semiconductor Etching Special Gas Manufacturers and Market Share, 2018-2023

4.4.1 United States Based Semiconductor Etching Special Gas Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Semiconductor Etching Special Gas Production Value (2018-2023)

4.4.3 United States Based Manufacturers Semiconductor Etching Special Gas Production (2018-2023)

4.5 China Based Semiconductor Etching Special Gas Manufacturers and Market Share

4.5.1 China Based Semiconductor Etching Special Gas Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Semiconductor Etching Special Gas Production Value (2018-2023)

4.5.3 China Based Manufacturers Semiconductor Etching Special Gas Production (2018-2023)

4.6 Rest of World Based Semiconductor Etching Special Gas Manufacturers and Market Share, 2018-2023

4.6.1 Rest of World Based Semiconductor Etching Special Gas Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Semiconductor Etching Special Gas Production Value (2018-2023)

4.6.3 Rest of World Based Manufacturers Semiconductor Etching Special Gas Production (2018-2023)

## **5 MARKET ANALYSIS BY TYPE**

5.1 World Semiconductor Etching Special Gas Market Size Overview by Type: 2018 VS 2022 VS 2029

5.2 Segment Introduction by Type



- 5.2.1 Fluorine Containing Gas
- 5.2.2 Chlorine Containing Gas
- 5.2.3 Oxygen Containing Gas
- 5.2.4 Others
- 5.3 Market Segment by Type
  - 5.3.1 World Semiconductor Etching Special Gas Production by Type (2018-2029)
  - 5.3.2 World Semiconductor Etching Special Gas Production Value by Type (2018-2029)
  - 5.3.3 World Semiconductor Etching Special Gas Average Price by Type (2018-2029)

## **6 MARKET ANALYSIS BY APPLICATION**

- 6.1 World Semiconductor Etching Special Gas Market Size Overview by Application: 2018 VS 2022 VS 2029
- 6.2 Segment Introduction by Application
  - 6.2.1 Integrated Circuits
  - 6.2.2 Display Panels
  - 6.2.3 Solar
  - 6.2.4 LED
- 6.3 Market Segment by Application
  - 6.3.1 World Semiconductor Etching Special Gas Production by Application (2018-2029)
  - 6.3.2 World Semiconductor Etching Special Gas Production Value by Application (2018-2029)
  - 6.3.3 World Semiconductor Etching Special Gas Average Price by Application (2018-2029)

## **7 COMPANY PROFILES**

- 7.1 Linde
  - 7.1.1 Linde Details
  - 7.1.2 Linde Major Business
  - 7.1.3 Linde Semiconductor Etching Special Gas Product and Services
  - 7.1.4 Linde Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.1.5 Linde Recent Developments/Updates
  - 7.1.6 Linde Competitive Strengths & Weaknesses
- 7.2 SK Materials
  - 7.2.1 SK Materials Details

- 7.2.2 SK Materials Major Business
- 7.2.3 SK Materials Semiconductor Etching Special Gas Product and Services
- 7.2.4 SK Materials Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
- 7.2.5 SK Materials Recent Developments/Updates
- 7.2.6 SK Materials Competitive Strengths & Weaknesses
- 7.3 Kanto Denka Kogyo
  - 7.3.1 Kanto Denka Kogyo Details
  - 7.3.2 Kanto Denka Kogyo Major Business
  - 7.3.3 Kanto Denka Kogyo Semiconductor Etching Special Gas Product and Services
  - 7.3.4 Kanto Denka Kogyo Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.3.5 Kanto Denka Kogyo Recent Developments/Updates
  - 7.3.6 Kanto Denka Kogyo Competitive Strengths & Weaknesses
- 7.4 ADEKA
  - 7.4.1 ADEKA Details
  - 7.4.2 ADEKA Major Business
  - 7.4.3 ADEKA Semiconductor Etching Special Gas Product and Services
  - 7.4.4 ADEKA Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.4.5 ADEKA Recent Developments/Updates
  - 7.4.6 ADEKA Competitive Strengths & Weaknesses
- 7.5 PERIC Special Gases
  - 7.5.1 PERIC Special Gases Details
  - 7.5.2 PERIC Special Gases Major Business
  - 7.5.3 PERIC Special Gases Semiconductor Etching Special Gas Product and Services
  - 7.5.4 PERIC Special Gases Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.5.5 PERIC Special Gases Recent Developments/Updates
  - 7.5.6 PERIC Special Gases Competitive Strengths & Weaknesses
- 7.6 Merck (Versum Materials)
  - 7.6.1 Merck (Versum Materials) Details
  - 7.6.2 Merck (Versum Materials) Major Business
  - 7.6.3 Merck (Versum Materials) Semiconductor Etching Special Gas Product and Services
  - 7.6.4 Merck (Versum Materials) Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.6.5 Merck (Versum Materials) Recent Developments/Updates
  - 7.6.6 Merck (Versum Materials) Competitive Strengths & Weaknesses

## 7.7 Showa Denko

### 7.7.1 Showa Denko Details

### 7.7.2 Showa Denko Major Business

### 7.7.3 Showa Denko Semiconductor Etching Special Gas Product and Services

### 7.7.4 Showa Denko Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.7.5 Showa Denko Recent Developments/Updates

### 7.7.6 Showa Denko Competitive Strengths & Weaknesses

## 7.8 Nippon Sanso

### 7.8.1 Nippon Sanso Details

### 7.8.2 Nippon Sanso Major Business

### 7.8.3 Nippon Sanso Semiconductor Etching Special Gas Product and Services

### 7.8.4 Nippon Sanso Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.8.5 Nippon Sanso Recent Developments/Updates

### 7.8.6 Nippon Sanso Competitive Strengths & Weaknesses

## 7.9 Hyosung

### 7.9.1 Hyosung Details

### 7.9.2 Hyosung Major Business

### 7.9.3 Hyosung Semiconductor Etching Special Gas Product and Services

### 7.9.4 Hyosung Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.9.5 Hyosung Recent Developments/Updates

### 7.9.6 Hyosung Competitive Strengths & Weaknesses

## 7.10 Air Liquide

### 7.10.1 Air Liquide Details

### 7.10.2 Air Liquide Major Business

### 7.10.3 Air Liquide Semiconductor Etching Special Gas Product and Services

### 7.10.4 Air Liquide Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.10.5 Air Liquide Recent Developments/Updates

### 7.10.6 Air Liquide Competitive Strengths & Weaknesses

## 7.11 Haohua Chemical

### 7.11.1 Haohua Chemical Details

### 7.11.2 Haohua Chemical Major Business

### 7.11.3 Haohua Chemical Semiconductor Etching Special Gas Product and Services

### 7.11.4 Haohua Chemical Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)

### 7.11.5 Haohua Chemical Recent Developments/Updates

- 7.11.6 Haohua Chemical Competitive Strengths & Weaknesses
- 7.12 Zibo Feiyuan Chemical
  - 7.12.1 Zibo Feiyuan Chemical Details
  - 7.12.2 Zibo Feiyuan Chemical Major Business
  - 7.12.3 Zibo Feiyuan Chemical Semiconductor Etching Special Gas Product and Services
  - 7.12.4 Zibo Feiyuan Chemical Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.12.5 Zibo Feiyuan Chemical Recent Developments/Updates
  - 7.12.6 Zibo Feiyuan Chemical Competitive Strengths & Weaknesses
- 7.13 Kemeite (Yoke Technology)
  - 7.13.1 Kemeite (Yoke Technology) Details
  - 7.13.2 Kemeite (Yoke Technology) Major Business
  - 7.13.3 Kemeite (Yoke Technology) Semiconductor Etching Special Gas Product and Services
  - 7.13.4 Kemeite (Yoke Technology) Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.13.5 Kemeite (Yoke Technology) Recent Developments/Updates
  - 7.13.6 Kemeite (Yoke Technology) Competitive Strengths & Weaknesses
- 7.14 Solvay
  - 7.14.1 Solvay Details
  - 7.14.2 Solvay Major Business
  - 7.14.3 Solvay Semiconductor Etching Special Gas Product and Services
  - 7.14.4 Solvay Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.14.5 Solvay Recent Developments/Updates
  - 7.14.6 Solvay Competitive Strengths & Weaknesses
- 7.15 Huate Gas
  - 7.15.1 Huate Gas Details
  - 7.15.2 Huate Gas Major Business
  - 7.15.3 Huate Gas Semiconductor Etching Special Gas Product and Services
  - 7.15.4 Huate Gas Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)
  - 7.15.5 Huate Gas Recent Developments/Updates
  - 7.15.6 Huate Gas Competitive Strengths & Weaknesses
- 7.16 Yongjing Technology
  - 7.16.1 Yongjing Technology Details
  - 7.16.2 Yongjing Technology Major Business
  - 7.16.3 Yongjing Technology Semiconductor Etching Special Gas Product and Services

7.16.4 Yongjing Technology Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.16.5 Yongjing Technology Recent Developments/Updates

7.16.6 Yongjing Technology Competitive Strengths & Weaknesses

7.17 Air Products

7.17.1 Air Products Details

7.17.2 Air Products Major Business

7.17.3 Air Products Semiconductor Etching Special Gas Product and Services

7.17.4 Air Products Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.17.5 Air Products Recent Developments/Updates

7.17.6 Air Products Competitive Strengths & Weaknesses

7.18 Jinhong Gas

7.18.1 Jinhong Gas Details

7.18.2 Jinhong Gas Major Business

7.18.3 Jinhong Gas Semiconductor Etching Special Gas Product and Services

7.18.4 Jinhong Gas Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.18.5 Jinhong Gas Recent Developments/Updates

7.18.6 Jinhong Gas Competitive Strengths & Weaknesses

7.19 Concorde Specialty Gases

7.19.1 Concorde Specialty Gases Details

7.19.2 Concorde Specialty Gases Major Business

7.19.3 Concorde Specialty Gases Semiconductor Etching Special Gas Product and Services

7.19.4 Concorde Specialty Gases Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.19.5 Concorde Specialty Gases Recent Developments/Updates

7.19.6 Concorde Specialty Gases Competitive Strengths & Weaknesses

7.20 Linggas

7.20.1 Linggas Details

7.20.2 Linggas Major Business

7.20.3 Linggas Semiconductor Etching Special Gas Product and Services

7.20.4 Linggas Semiconductor Etching Special Gas Production, Price, Value, Gross Margin and Market Share (2018-2023)

7.20.5 Linggas Recent Developments/Updates

7.20.6 Linggas Competitive Strengths & Weaknesses

## **8 INDUSTRY CHAIN ANALYSIS**

- 8.1 Semiconductor Etching Special Gas Industry Chain
- 8.2 Semiconductor Etching Special Gas Upstream Analysis
  - 8.2.1 Semiconductor Etching Special Gas Core Raw Materials
  - 8.2.2 Main Manufacturers of Semiconductor Etching Special Gas Core Raw Materials
- 8.3 Midstream Analysis
- 8.4 Downstream Analysis
- 8.5 Semiconductor Etching Special Gas Production Mode
- 8.6 Semiconductor Etching Special Gas Procurement Model
- 8.7 Semiconductor Etching Special Gas Industry Sales Model and Sales Channels
  - 8.7.1 Semiconductor Etching Special Gas Sales Model
  - 8.7.2 Semiconductor Etching Special Gas Typical Customers

## **9 RESEARCH FINDINGS AND CONCLUSION**

## **10 APPENDIX**

- 10.1 Methodology
- 10.2 Research Process and Data Source
- 10.3 Disclaimer



## List Of Tables

### LIST OF TABLES

Table 1. World Semiconductor Etching Special Gas Production Value by Region (2018, 2022 and 2029) & (USD Million)

Table 2. World Semiconductor Etching Special Gas Production Value by Region (2018-2023) & (USD Million)

Table 3. World Semiconductor Etching Special Gas Production Value by Region (2024-2029) & (USD Million)

Table 4. World Semiconductor Etching Special Gas Production Value Market Share by Region (2018-2023)

Table 5. World Semiconductor Etching Special Gas Production Value Market Share by Region (2024-2029)

Table 6. World Semiconductor Etching Special Gas Production by Region (2018-2023) & (Tons)

Table 7. World Semiconductor Etching Special Gas Production by Region (2024-2029) & (Tons)

Table 8. World Semiconductor Etching Special Gas Production Market Share by Region (2018-2023)

Table 9. World Semiconductor Etching Special Gas Production Market Share by Region (2024-2029)

Table 10. World Semiconductor Etching Special Gas Average Price by Region (2018-2023) & (US\$/Ton)

Table 11. World Semiconductor Etching Special Gas Average Price by Region (2024-2029) & (US\$/Ton)

Table 12. Semiconductor Etching Special Gas Major Market Trends

Table 13. World Semiconductor Etching Special Gas Consumption Growth Rate Forecast by Region (2018 & 2022 & 2029) & (Tons)

Table 14. World Semiconductor Etching Special Gas Consumption by Region (2018-2023) & (Tons)

Table 15. World Semiconductor Etching Special Gas Consumption Forecast by Region (2024-2029) & (Tons)

Table 16. World Semiconductor Etching Special Gas Production Value by Manufacturer (2018-2023) & (USD Million)

Table 17. Production Value Market Share of Key Semiconductor Etching Special Gas Producers in 2022

Table 18. World Semiconductor Etching Special Gas Production by Manufacturer (2018-2023) & (Tons)

Table 19. Production Market Share of Key Semiconductor Etching Special Gas Producers in 2022

Table 20. World Semiconductor Etching Special Gas Average Price by Manufacturer (2018-2023) & (US\$/Ton)

Table 21. Global Semiconductor Etching Special Gas Company Evaluation Quadrant

Table 22. World Semiconductor Etching Special Gas Industry Rank of Major Manufacturers, Based on Production Value in 2022

Table 23. Head Office and Semiconductor Etching Special Gas Production Site of Key Manufacturer

Table 24. Semiconductor Etching Special Gas Market: Company Product Type Footprint

Table 25. Semiconductor Etching Special Gas Market: Company Product Application Footprint

Table 26. Semiconductor Etching Special Gas Competitive Factors

Table 27. Semiconductor Etching Special Gas New Entrant and Capacity Expansion Plans

Table 28. Semiconductor Etching Special Gas Mergers & Acquisitions Activity

Table 29. United States VS China Semiconductor Etching Special Gas Production Value Comparison, (2018 & 2022 & 2029) & (USD Million)

Table 30. United States VS China Semiconductor Etching Special Gas Production Comparison, (2018 & 2022 & 2029) & (Tons)

Table 31. United States VS China Semiconductor Etching Special Gas Consumption Comparison, (2018 & 2022 & 2029) & (Tons)

Table 32. United States Based Semiconductor Etching Special Gas Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Semiconductor Etching Special Gas Production Value, (2018-2023) & (USD Million)

Table 34. United States Based Manufacturers Semiconductor Etching Special Gas Production Value Market Share (2018-2023)

Table 35. United States Based Manufacturers Semiconductor Etching Special Gas Production (2018-2023) & (Tons)

Table 36. United States Based Manufacturers Semiconductor Etching Special Gas Production Market Share (2018-2023)

Table 37. China Based Semiconductor Etching Special Gas Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Semiconductor Etching Special Gas Production Value, (2018-2023) & (USD Million)

Table 39. China Based Manufacturers Semiconductor Etching Special Gas Production Value Market Share (2018-2023)



Table 40. China Based Manufacturers Semiconductor Etching Special Gas Production (2018-2023) & (Tons)

Table 41. China Based Manufacturers Semiconductor Etching Special Gas Production Market Share (2018-2023)

Table 42. Rest of World Based Semiconductor Etching Special Gas Manufacturers, Headquarters and Production Site (States, Country)

Table 43. Rest of World Based Manufacturers Semiconductor Etching Special Gas Production Value, (2018-2023) & (USD Million)

Table 44. Rest of World Based Manufacturers Semiconductor Etching Special Gas Production Value Market Share (2018-2023)

Table 45. Rest of World Based Manufacturers Semiconductor Etching Special Gas Production (2018-2023) & (Tons)

Table 46. Rest of World Based Manufacturers Semiconductor Etching Special Gas Production Market Share (2018-2023)

Table 47. World Semiconductor Etching Special Gas Production Value by Type, (USD Million), 2018 & 2022 & 2029

Table 48. World Semiconductor Etching Special Gas Production by Type (2018-2023) & (Tons)

Table 49. World Semiconductor Etching Special Gas Production by Type (2024-2029) & (Tons)

Table 50. World Semiconductor Etching Special Gas Production Value by Type (2018-2023) & (USD Million)

Table 51. World Semiconductor Etching Special Gas Production Value by Type (2024-2029) & (USD Million)

Table 52. World Semiconductor Etching Special Gas Average Price by Type (2018-2023) & (US\$/Ton)

Table 53. World Semiconductor Etching Special Gas Average Price by Type (2024-2029) & (US\$/Ton)

Table 54. World Semiconductor Etching Special Gas Production Value by Application, (USD Million), 2018 & 2022 & 2029

Table 55. World Semiconductor Etching Special Gas Production by Application (2018-2023) & (Tons)

Table 56. World Semiconductor Etching Special Gas Production by Application (2024-2029) & (Tons)

Table 57. World Semiconductor Etching Special Gas Production Value by Application (2018-2023) & (USD Million)

Table 58. World Semiconductor Etching Special Gas Production Value by Application (2024-2029) & (USD Million)

Table 59. World Semiconductor Etching Special Gas Average Price by Application

(2018-2023) & (US\$/Ton)

Table 60. World Semiconductor Etching Special Gas Average Price by Application (2024-2029) & (US\$/Ton)

Table 61. Linde Basic Information, Manufacturing Base and Competitors

Table 62. Linde Major Business

Table 63. Linde Semiconductor Etching Special Gas Product and Services

Table 64. Linde Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 65. Linde Recent Developments/Updates

Table 66. Linde Competitive Strengths & Weaknesses

Table 67. SK Materials Basic Information, Manufacturing Base and Competitors

Table 68. SK Materials Major Business

Table 69. SK Materials Semiconductor Etching Special Gas Product and Services

Table 70. SK Materials Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 71. SK Materials Recent Developments/Updates

Table 72. SK Materials Competitive Strengths & Weaknesses

Table 73. Kanto Denka Kogyo Basic Information, Manufacturing Base and Competitors

Table 74. Kanto Denka Kogyo Major Business

Table 75. Kanto Denka Kogyo Semiconductor Etching Special Gas Product and Services

Table 76. Kanto Denka Kogyo Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 77. Kanto Denka Kogyo Recent Developments/Updates

Table 78. Kanto Denka Kogyo Competitive Strengths & Weaknesses

Table 79. ADEKA Basic Information, Manufacturing Base and Competitors

Table 80. ADEKA Major Business

Table 81. ADEKA Semiconductor Etching Special Gas Product and Services

Table 82. ADEKA Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 83. ADEKA Recent Developments/Updates

Table 84. ADEKA Competitive Strengths & Weaknesses

Table 85. PERIC Special Gases Basic Information, Manufacturing Base and Competitors

Table 86. PERIC Special Gases Major Business

Table 87. PERIC Special Gases Semiconductor Etching Special Gas Product and Services

Table 88. PERIC Special Gases Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 89. PERIC Special Gases Recent Developments/Updates

Table 90. PERIC Special Gases Competitive Strengths & Weaknesses

Table 91. Merck (Versum Materials) Basic Information, Manufacturing Base and Competitors

Table 92. Merck (Versum Materials) Major Business

Table 93. Merck (Versum Materials) Semiconductor Etching Special Gas Product and Services

Table 94. Merck (Versum Materials) Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 95. Merck (Versum Materials) Recent Developments/Updates

Table 96. Merck (Versum Materials) Competitive Strengths & Weaknesses

Table 97. Showa Denko Basic Information, Manufacturing Base and Competitors

Table 98. Showa Denko Major Business

Table 99. Showa Denko Semiconductor Etching Special Gas Product and Services

Table 100. Showa Denko Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 101. Showa Denko Recent Developments/Updates

Table 102. Showa Denko Competitive Strengths & Weaknesses

Table 103. Nippon Sanso Basic Information, Manufacturing Base and Competitors

Table 104. Nippon Sanso Major Business

Table 105. Nippon Sanso Semiconductor Etching Special Gas Product and Services

Table 106. Nippon Sanso Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 107. Nippon Sanso Recent Developments/Updates

Table 108. Nippon Sanso Competitive Strengths & Weaknesses

Table 109. Hyosung Basic Information, Manufacturing Base and Competitors

Table 110. Hyosung Major Business

Table 111. Hyosung Semiconductor Etching Special Gas Product and Services

Table 112. Hyosung Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

- Table 113. Hyosung Recent Developments/Updates
- Table 114. Hyosung Competitive Strengths & Weaknesses
- Table 115. Air Liquide Basic Information, Manufacturing Base and Competitors
- Table 116. Air Liquide Major Business
- Table 117. Air Liquide Semiconductor Etching Special Gas Product and Services
- Table 118. Air Liquide Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 119. Air Liquide Recent Developments/Updates
- Table 120. Air Liquide Competitive Strengths & Weaknesses
- Table 121. Haohua Chemical Basic Information, Manufacturing Base and Competitors
- Table 122. Haohua Chemical Major Business
- Table 123. Haohua Chemical Semiconductor Etching Special Gas Product and Services
- Table 124. Haohua Chemical Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 125. Haohua Chemical Recent Developments/Updates
- Table 126. Haohua Chemical Competitive Strengths & Weaknesses
- Table 127. Zibo Feiyuan Chemical Basic Information, Manufacturing Base and Competitors
- Table 128. Zibo Feiyuan Chemical Major Business
- Table 129. Zibo Feiyuan Chemical Semiconductor Etching Special Gas Product and Services
- Table 130. Zibo Feiyuan Chemical Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 131. Zibo Feiyuan Chemical Recent Developments/Updates
- Table 132. Zibo Feiyuan Chemical Competitive Strengths & Weaknesses
- Table 133. Kemeite (Yoke Technology) Basic Information, Manufacturing Base and Competitors
- Table 134. Kemeite (Yoke Technology) Major Business
- Table 135. Kemeite (Yoke Technology) Semiconductor Etching Special Gas Product and Services
- Table 136. Kemeite (Yoke Technology) Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 137. Kemeite (Yoke Technology) Recent Developments/Updates
- Table 138. Kemeite (Yoke Technology) Competitive Strengths & Weaknesses
- Table 139. Solvay Basic Information, Manufacturing Base and Competitors

Table 140. Solvay Major Business

Table 141. Solvay Semiconductor Etching Special Gas Product and Services

Table 142. Solvay Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 143. Solvay Recent Developments/Updates

Table 144. Solvay Competitive Strengths & Weaknesses

Table 145. Huate Gas Basic Information, Manufacturing Base and Competitors

Table 146. Huate Gas Major Business

Table 147. Huate Gas Semiconductor Etching Special Gas Product and Services

Table 148. Huate Gas Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 149. Huate Gas Recent Developments/Updates

Table 150. Huate Gas Competitive Strengths & Weaknesses

Table 151. Yongjing Technology Basic Information, Manufacturing Base and Competitors

Table 152. Yongjing Technology Major Business

Table 153. Yongjing Technology Semiconductor Etching Special Gas Product and Services

Table 154. Yongjing Technology Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 155. Yongjing Technology Recent Developments/Updates

Table 156. Yongjing Technology Competitive Strengths & Weaknesses

Table 157. Air Products Basic Information, Manufacturing Base and Competitors

Table 158. Air Products Major Business

Table 159. Air Products Semiconductor Etching Special Gas Product and Services

Table 160. Air Products Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)

Table 161. Air Products Recent Developments/Updates

Table 162. Air Products Competitive Strengths & Weaknesses

Table 163. Jinhong Gas Basic Information, Manufacturing Base and Competitors

Table 164. Jinhong Gas Major Business

Table 165. Jinhong Gas Semiconductor Etching Special Gas Product and Services

Table 166. Jinhong Gas Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)



- Table 167. Jinhong Gas Recent Developments/Updates
- Table 168. Jinhong Gas Competitive Strengths & Weaknesses
- Table 169. Concorde Specialty Gases Basic Information, Manufacturing Base and Competitors
- Table 170. Concorde Specialty Gases Major Business
- Table 171. Concorde Specialty Gases Semiconductor Etching Special Gas Product and Services
- Table 172. Concorde Specialty Gases Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 173. Concorde Specialty Gases Recent Developments/Updates
- Table 174. Linggas Basic Information, Manufacturing Base and Competitors
- Table 175. Linggas Major Business
- Table 176. Linggas Semiconductor Etching Special Gas Product and Services
- Table 177. Linggas Semiconductor Etching Special Gas Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2018-2023)
- Table 178. Global Key Players of Semiconductor Etching Special Gas Upstream (Raw Materials)
- Table 179. Semiconductor Etching Special Gas Typical Customers
- Table 180. Semiconductor Etching Special Gas Typical Distributors

## **LIST OF FIGURE**

- Figure 1. Semiconductor Etching Special Gas Picture
- Figure 2. World Semiconductor Etching Special Gas Production Value: 2018 & 2022 & 2029, (USD Million)
- Figure 3. World Semiconductor Etching Special Gas Production Value and Forecast (2018-2029) & (USD Million)
- Figure 4. World Semiconductor Etching Special Gas Production (2018-2029) & (Tons)
- Figure 5. World Semiconductor Etching Special Gas Average Price (2018-2029) & (US\$/Ton)
- Figure 6. World Semiconductor Etching Special Gas Production Value Market Share by Region (2018-2029)
- Figure 7. World Semiconductor Etching Special Gas Production Market Share by Region (2018-2029)
- Figure 8. North America Semiconductor Etching Special Gas Production (2018-2029) & (Tons)
- Figure 9. Europe Semiconductor Etching Special Gas Production (2018-2029) & (Tons)

- Figure 10. China Semiconductor Etching Special Gas Production (2018-2029) & (Tons)
- Figure 11. Japan Semiconductor Etching Special Gas Production (2018-2029) & (Tons)
- Figure 12. Semiconductor Etching Special Gas Market Drivers
- Figure 13. Factors Affecting Demand
- Figure 14. World Semiconductor Etching Special Gas Consumption (2018-2029) & (Tons)
- Figure 15. World Semiconductor Etching Special Gas Consumption Market Share by Region (2018-2029)
- Figure 16. United States Semiconductor Etching Special Gas Consumption (2018-2029) & (Tons)
- Figure 17. China Semiconductor Etching Special Gas Consumption (2018-2029) & (Tons)
- Figure 18. Europe Semiconductor Etching Special Gas Consumption (2018-2029) & (Tons)
- Figure 19. Japan Semiconductor Etching Special Gas Consumption (2018-2029) & (Tons)
- Figure 20. South Korea Semiconductor Etching Special Gas Consumption (2018-2029) & (Tons)
- Figure 21. ASEAN Semiconductor Etching Special Gas Consumption (2018-2029) & (Tons)
- Figure 22. India Semiconductor Etching Special Gas Consumption (2018-2029) & (Tons)
- Figure 23. Producer Shipments of Semiconductor Etching Special Gas by Manufacturer Revenue (\$MM) and Market Share (%): 2022
- Figure 24. Global Four-firm Concentration Ratios (CR4) for Semiconductor Etching Special Gas Markets in 2022
- Figure 25. Global Four-firm Concentration Ratios (CR8) for Semiconductor Etching Special Gas Markets in 2022
- Figure 26. United States VS China: Semiconductor Etching Special Gas Production Value Market Share Comparison (2018 & 2022 & 2029)
- Figure 27. United States VS China: Semiconductor Etching Special Gas Production Market Share Comparison (2018 & 2022 & 2029)
- Figure 28. United States VS China: Semiconductor Etching Special Gas Consumption Market Share Comparison (2018 & 2022 & 2029)
- Figure 29. United States Based Manufacturers Semiconductor Etching Special Gas Production Market Share 2022
- Figure 30. China Based Manufacturers Semiconductor Etching Special Gas Production Market Share 2022
- Figure 31. Rest of World Based Manufacturers Semiconductor Etching Special Gas

Production Market Share 2022

Figure 32. World Semiconductor Etching Special Gas Production Value by Type, (USD Million), 2018 & 2022 & 2029

Figure 33. World Semiconductor Etching Special Gas Production Value Market Share by Type in 2022

Figure 34. Fluorine Containing Gas

Figure 35. Chlorine Containing Gas

Figure 36. Oxygen Containing Gas

Figure 37. Others

Figure 38. World Semiconductor Etching Special Gas Production Market Share by Type (2018-2029)

Figure 39. World Semiconductor Etching Special Gas Production Value Market Share by Type (2018-2029)

Figure 40. World Semiconductor Etching Special Gas Average Price by Type (2018-2029) & (US\$/Ton)

Figure 41. World Semiconductor Etching Special Gas Production Value by Application, (USD Million), 2018 & 2022 & 2029

Figure 42. World Semiconductor Etching Special Gas Production Value Market Share by Application in 2022

Figure 43. Integrated Circuits

Figure 44. Display Panels

Figure 45. Solar

Figure 46. LED

Figure 47. World Semiconductor Etching Special Gas Production Market Share by Application (2018-2029)

Figure 48. World Semiconductor Etching Special Gas Production Value Market Share by Application (2018-2029)

Figure 49. World Semiconductor Etching Special Gas Average Price by Application (2018-2029) & (US\$/Ton)

Figure 50. Semiconductor Etching Special Gas Industry Chain

Figure 51. Semiconductor Etching Special Gas Procurement Model

Figure 52. Semiconductor Etching Special Gas Sales Model

Figure 53. Semiconductor Etching Special Gas Sales Channels, Direct Sales, and Distribution

Figure 54. Methodology

Figure 55. Research Process and Data Source



## I would like to order

Product name: Global Semiconductor Etching Special Gas Supply, Demand and Key Producers, 2023-2029

Product link: <https://marketpublishers.com/r/G406F042144BEN.html>

Price: US\$ 4,480.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

[info@marketpublishers.com](mailto:info@marketpublishers.com)

## Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G406F042144BEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:  
Last name:  
Email:  
Company:  
Address:  
City:  
Zip code:  
Country:  
Tel:  
Fax:  
Your message:

**\*\*All fields are required**

Customer signature \_\_\_\_\_

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

